

Method for preparing nanoparticle toughened reinforced polypropylene composite material

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Abstract of CN1307074

Nanoparticle toughened and reinforced composite polypropylene material is prepared through the processes of dispersing the mixture of 20-80 nm nanoparticle and surfactant in a high speed mixer, extruding and pelletizing the mixture of treated nanoparticle, polypropylene, thermoplastic elastomer and surface treated micrometer level calcium carbonate in the ratio of 1.0-5.0 to 45-99 to 0-10 to 0-40 at 170-230 deg.c in a 60-130 rpm double screw extruder.

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